WHAT IS CLAIMED IS:

1.	A distri	byted emergency building lighting system comprising:
	an elect	trφluminescent (EL) panel;
	means	for providing electrical power to illuminate said EL panel; and
	control	means electrically coupled to said electrical power means and
said E	L panel	for illuminating a predetermined designated area within the
buildin	ig in res	ponse to an input stimulus.

- 2. Emergency building lighting system as defined in claim 1, wherein said predetermined designated area further comprises low-level path marking to provide visual delineation of the path of egress.
- 3. Emergency building lighting system as defined in claim 1, wherein said predetermined designated area further comprises floor illumination within a prescribed distance from at least one wall of a room in accordance with code requirements.
- 4. Emergency building lighting system as defined in claim 2, wherein said EL panel is a stripe of indeterminate length located on one or more of a designated area including on a floor and on a wall at or near the floor in accordance with code requirements.
- 5. Emergency building lighting system as defined in claim 2, wherein said EL panel lights an exit sign at or near the floor in accordance with code requirements.
- 6. Emergency building lighting system as defined in claim 1, wherein said power means further comprises an EL power supply having an input coupled to the line side of an electrical switch supplying commercial AC power to the conventional lighting located in said designated area and to a DC voltage source in the absence of AC power at the line side of said electrical switch.

1	7. Emergency building lighting system as defined in claim 6, wherein said
2	EL power supply further includes means for adjusting the light intensity of the
3	EL panel to a desired intensity.
1	8. Emergency building lighting system as defined in claim 1, wherein said
2	control means further includes self-diagnostic testing means for verifying
3	operational conditions of the lighting system including the detection of an
4	electrical short circuit and an electrical open circuit of an EL panel coupled to
5	said control means.
1	9. Emergency building lighting system as defined in claim 8, wherein said
2	self-diagnostic testing means includes detection of a normal operating circuit
3	of an EL panel coupled to said control means.
1	10. Emergency building lighting system as defined in claim 8, wherein said
2	self-diagnostic testing means includes detection of an inoperative electrical
3	power means.
1	11. Emergency building lighting system as defined in claim 8, wherein said
2	self-diagnostic testing means further comprises testing means for determining
3	the charge capacity of the battery.
1	12. Emergency/building lighting system as defined in claim 11, wherein
2	said battery testing means further comprises means for connecting a test
3	electrical load to the battery for a predetermined short time interval;
4	means for sensing the battery voltage during the short time interval that
5	said test electrical load is connected, and
6	means for providing an alarm indication in response to the battery
7	voltage falling below a predetermined voltage value during the voltage sensing
8	time interval.
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1	13. Emergency building lighting system as defined in claim 12, wherein the
2	test electrical load is in the range of 10 to 20 times the electrical load of the
3	emergency building lighting system.

- 14. Emergency building lighting system as defined in claim 13, wherein said predetermined short time interval is in the range of 10 to 30 seconds.
- 15. Emergency building lighting system as defined in claim 8, further comprising means for activating said self-diagnostic testing means in accordance with a predetermined time schedule.
 - 16. Emergency building lighting system as defined in claim 8, further comprising means for manually activating said self-diagnostic testing means.
 - 17. Emergency building lighting system as defined in claim 8, further comprising means for activating said self-diagnostic testing means in response to the conventional lighting located in said designated area being turned on and off.

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